

**TOSHIBA**



# HDD/DVD VIDEO RECORDER **RD-85DTSB**

OWNER'S MANUAL



## INSTALLATION GUIDE

Read this booklet first.



Introduction

Connections

Basic setup

**TOSHIBA**

Printed in China

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3/27/06, 17:42

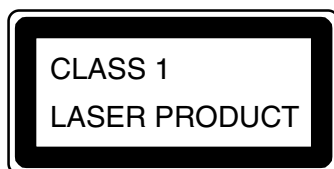
# SAFETY PRECAUTIONS

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

**CAUTION:** This HDD/DVD video recorder employs a Laser System.  
To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.  
Visible and invisible laser radiation when open and interlocks defeated.  
DO NOT STARE INTO BEAM.





### Copyright

It is permissible to record television programmes, film, video tapes and other material only in the event that third party copyrights and other rights are not violated.

**CAUTION:** To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

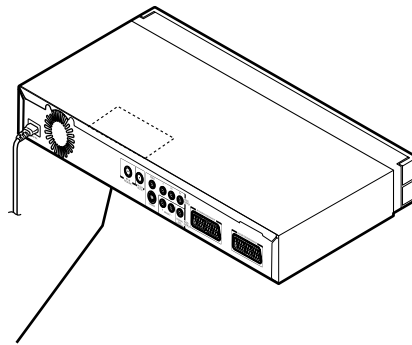
In the spaces provided below, record the Model and Serial No. located on the bottom plate of your recorder.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Retain this information for future reference.

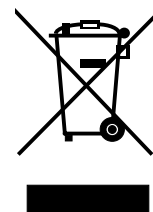
### Location of the required label



The rating plate and the safety caution are on the bottom plate of the unit.

### Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



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# IMPORTANT SAFETY INSTRUCTIONS

**CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.**

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

**DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.**

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Do not place a flaming object such as a burning candle on the apparatus.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.

## ADDITIONAL SAFETY INSTRUCTIONS

14. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
15. Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
16. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.
17. Do not place anything on top of this unit.
18. Do not place the apparatus on amplifiers or equipment that may produce heat.
19. Do not cover the ventilating holes for the inside cooling fan.
20. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and unit malfunction.
21. If the apparatus should smoke or smell, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.
22. During thunderstorms, do not touch the connecting cables or the apparatus.

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# Precautions

## Notes on handling

- Never disconnect the power cord from a wall outlet while the recorder is not in standby mode, unless it is in an emergency. Doing so may cause malfunction.
- When shipping the recorder, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the recorder. Do not leave rubber or plastic products in contact with the recorder for a long time. They will leave marks on the finish.
- The top and rear panels of the recorder may become warm after a long time of use. This is not a malfunction.

## When not in use

- For usual absence  
Be sure to remove the disc from the recorder and turn off the power.
- Prolonged absence  
Unplug the recorder from a wall outlet.

## Notes on locating

- Place the recorder on a level surface. Do not use it on a shaky or unstable surface such as a wobbly table or inclined stand. The loaded disc may dislodge from its proper position and cause damage to the recorder. Before placing the recorder, make sure that the surface can stand the weight of the recorder. For safety, avoid placing the recorder in a high location, as an accidental fall of the recorder may cause personal injury.
- When you place this recorder near a TV, radio, or VTR, the playback picture may become poor and the sound may be distorted depending on the condition and location of said equipment. In such an event, place the recorder away as much as possible from the TV, radio, or VTR.
- Do not install this product in an area where it will be exposed to large amounts of oily smoke, steam or dust, as such exposure could result in fire or electric shock. Cigarette smoke, dust etc. can cause the product to malfunction.

## Notes on cleaning

Use a soft, dry cloth for cleaning.

- Do not use any type of solvent, such as thinner or benzene, as they may damage the surface of the recorder.

## Notes on aerials

- Image and sound quality depend very much on signal reception.
- Reception may be poor in weak signal areas. In this event, consult your dealer, or purchase a commercially available aerial booster. Refer to the booster's instruction manual for installation details.
- The tuner of this recorder can receive digital broadcasts only. To enjoy view and recording TV programmes via this recorder, you need to install this recorder in a location where digital broadcasts can be received.



## Notes on recording and editing

- When you record/edit important content, make trial operations beforehand to confirm the recorder can function properly.  
Toshiba does not compensate for content which was not recorded/edited because of some malfunction of this product or discs during operation, and is not liable for incidental damages (such as profit loss or interruption of business, etc.) produced in such conditions.
- When the power plug is disconnected or when a power failure occurs during any operation of this product, all contents recorded in this recorder may be erased.
- Depending on the channel or programme, an excessive sound input level may cause noise or cut of recorded sound. Adjust the recording level when necessary.
- If a programme you have set a timer recording includes copy restriction signals, it may not be recorded. When programming a recording, confirm that a programme you want to record is not copy-restricted.
- Regular backups of recorded discs are recommended. Although digital signals do not deteriorate, disc aging may cause reading error or erasure of them.  
A backup of copy once content recording is not permitted because of copyright protection.

## Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by a third parties, accidents, owner's intentional or unintentional misuse, or uses in other improper conditions.
- Toshiba is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of recorded data, etc.) caused by use or inability to use of this product.
- Toshiba is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment or software that Toshiba is not concerned with.
- Toshiba does not compensate for contents which were not recorded/edited because of some malfunctions of this product or discs during operation, and is not liable for incidental damages (such as profit loss or interruption in business, etc.) produced by such conditions.

## Power outage

- After a power outage the clock display will flash. Set the clock to the correct time.

## Notes on the unit and the HDD

- Do not give a shock or shake (especially during operation).
- Do not use in a shaky or unstable location.
- Hold the unit horizontally.
- Do not cover the ventilation holes for the cooling fan of the unit.
- Do not use in a place where the temperature rises or changes rapidly.
- Do not disconnect the power plug from a wall outlet while the unit is turned on.
- Do not disconnect the power plug from the wall outlet or break the power supply to the unit during recording or playing. Before disconnecting the power plug, be sure to press the power button and make sure the unit ends the finishing process and becomes the standby mode. If the power plug is disconnected or power supply is disrupted while the unit is recording, all recorded content will be erased.
- Toshiba is not liable for any damage or loss of recorded data caused by shock, shakes, misoperation or malfunction.

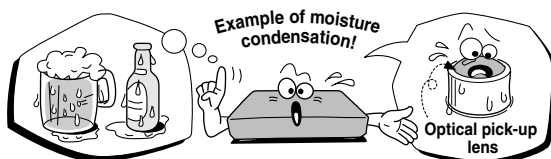
## Introduction

### Precautions (Continued)

#### Notes on moisture condensation

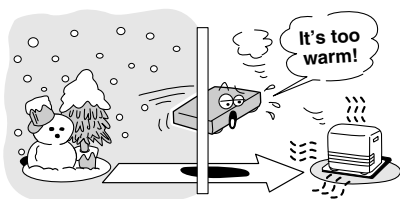
**Moisture condensation damages the unit. Please read the following carefully.**

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the unit.



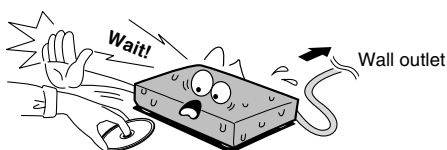
#### ■ Moisture condensation occurs during the following cases.

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.



#### ■ Do not use the unit when moisture condensation may occur in the situations above.

If you use the unit in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.

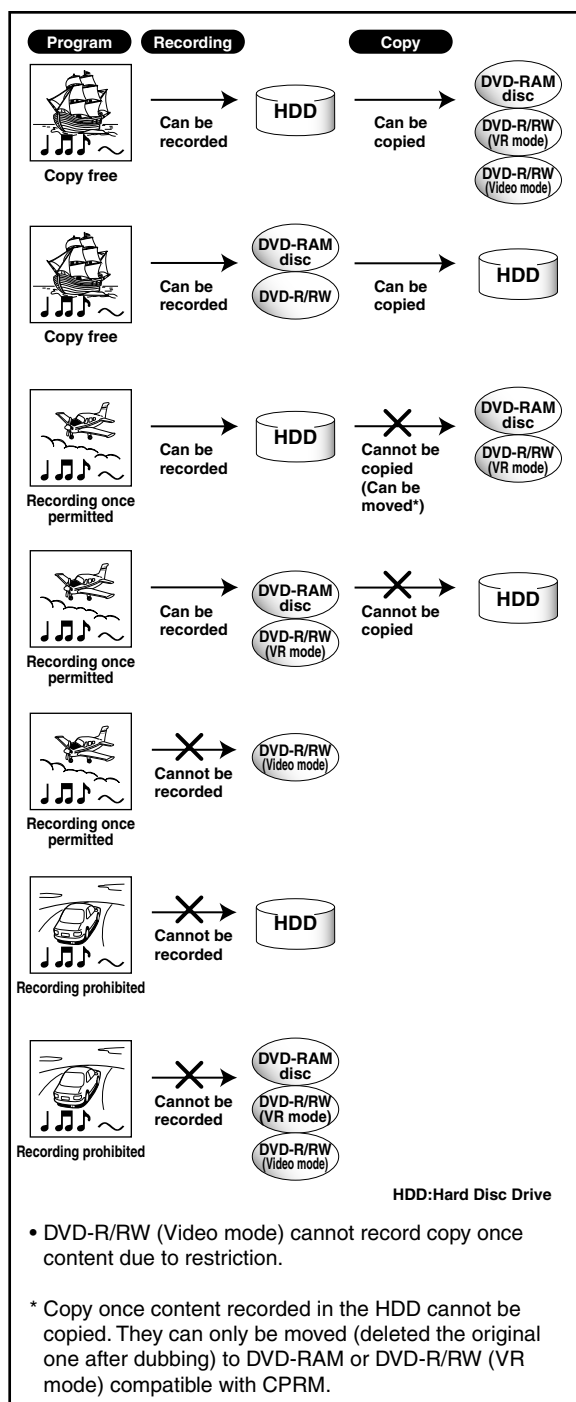


#### Notes on copyright

- It is prohibited by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission.
- Some DVD video discs are copy protected, and any recordings made from these discs will be distorted.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
- This unit incorporates CPRM (Content Protection for Recordable Media) technology for copyright protection in recording devices, authorized by DVD forum. Recording and copying on this recorder depend on the contents as described next page.



- This recorder incorporates CPRM (Content Protection for Recordable Media) technology for copyright protection over copy once content (content which can be recorded only once).



# Installation procedure

**Read carefully “SAFETY PRECAUTIONS”,  
“IMPORTANT SAFETY INSTRUCTIONS” and  
“Precautions”.**  
(⇒ pages 2 to 9)

**Load the batteries in the remote control.**  
(⇒ page 12)

**Connect an aerial to the recorder.**  
(⇒ page 14)  
Connect a satellite receiver to the recorder.  
(⇒ pages 18 to 19)

**Connect the recorder to a TV.**  
(⇒ pages 14 to 17)

**Connect optional equipment to the recorder.**  
(⇒ page 20)

**Turn the recorder on and execute AUTO  
TUNING.** (⇒ page 22, 23)

**Make the initial settings.**  
(⇒ page 24)

**Your recorder is ready. Read the separate  
volume “OPERATIONS”.**

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## Connections

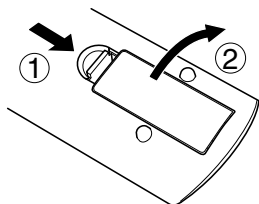
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## Basic setup

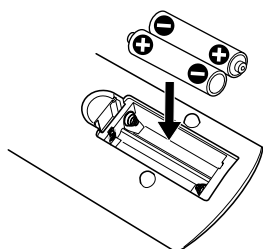
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# Preparation of the remote control

## 1 Open the cover.

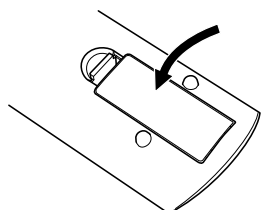


## 2 Insert batteries (R03 size).



Make sure to match the + and – on the batteries to the marks inside the battery compartment.

## 3 Close the cover.



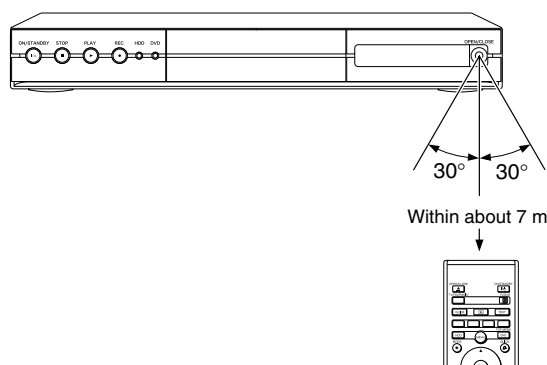
### Notes on batteries

Improper use of batteries may cause battery leakage and corrosion. To operate the remote control correctly, follow the instructions below.

- Do not insert batteries into the remote control in the wrong direction.
- Do not charge, heat, open, or short-circuit the batteries. Do not throw batteries into a fire.
- Do not leave dead or exhausted batteries in the remote control.
- Do not use different types of batteries together, or mix old and new batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
- If the remote control does not function correctly or if the operating range is reduced, replace all batteries with new ones.
- If battery leakage occurs, wipe the battery liquid from the battery compartment, then insert new batteries.

### ■ Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



**Distance :** About 7 m from the front of the remote sensor

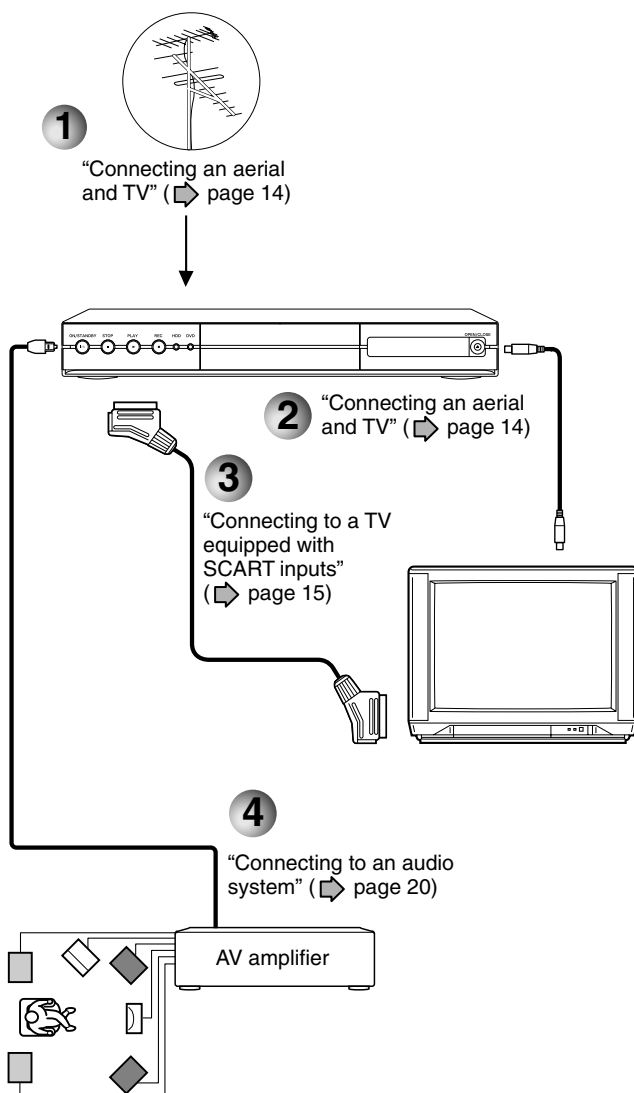
**Angle :** About 30° in each direction of the front of the remote sensor

\* Do not expose the remote sensor of the recorder to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the recorder via the remote control.

### Notes

- Direct the remote control at the remote sensor of the recorder.
- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not disassemble the remote control.

## Connection procedure



### ■ When you connect a TV equipped with SCART inputs

Perform steps 1, 2 and 3.

### ■ When you connect an audio system

Perform steps 1, 2, 3 and 4.

# Connections

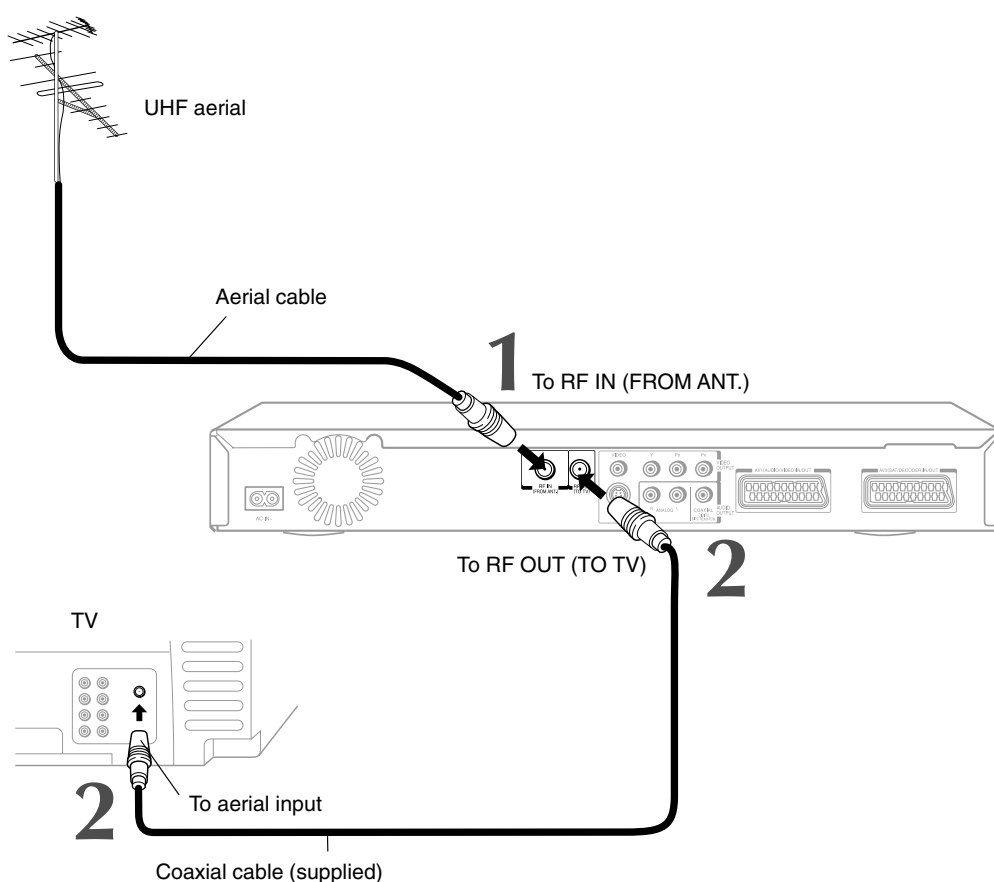
Connect your recorder to your TV and/or audio system.

- Connecting an aerial and TV
- Connecting to a TV equipped with phono type jacks
- Connecting to a TV equipped with component video inputs
- Connecting a satellite receiver
- Connecting to an audio system

# Connecting an aerial and TV

Connect your TV and the aerial to this recorder for recording and to view broadcast signals on the TV.

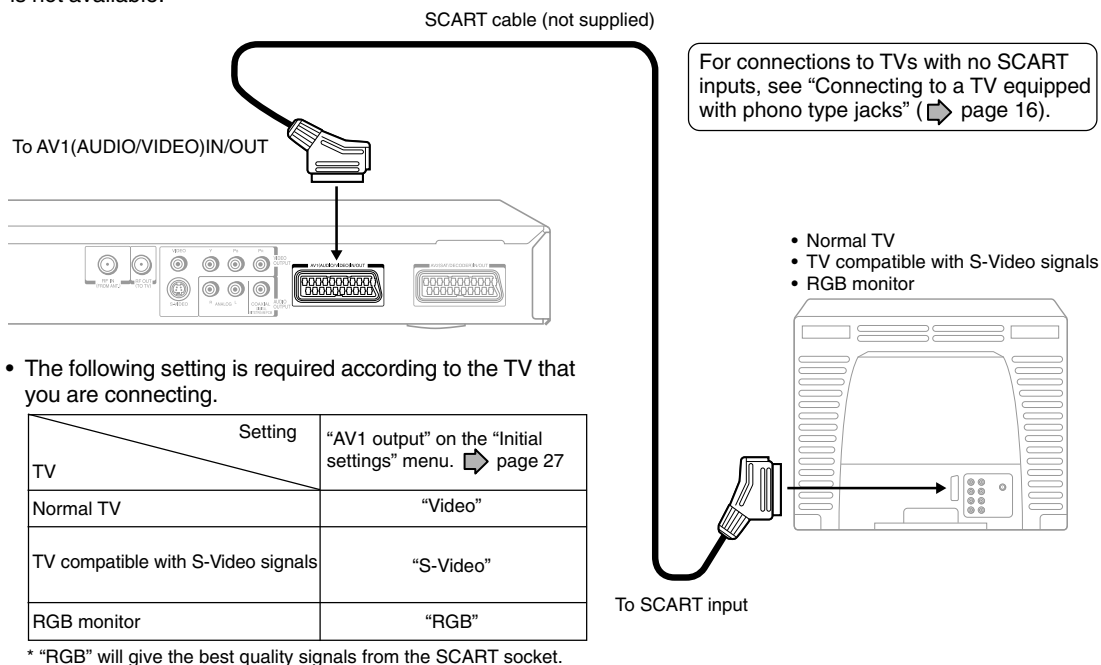
- 1** Disconnect the aerial cable from your TV, and connect it to the RF IN (FROM ANT.) terminal on the recorder.
- 2** Connect the RF OUT (TO TV) terminal to the TV by using the supplied coaxial cable.



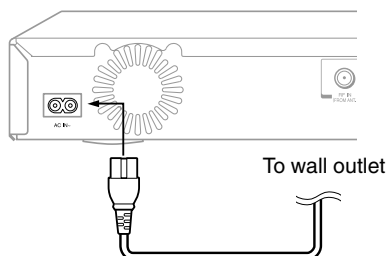
For connecting a satellite system, see ➡ page 18.

### 3 Connect to a TV equipped with SCART inputs.

Connect as below for watching received channels or recorded contents. Watching via the RF OUT terminal is not available.



### 4 Connect the power cord of the recorder to a wall outlet.

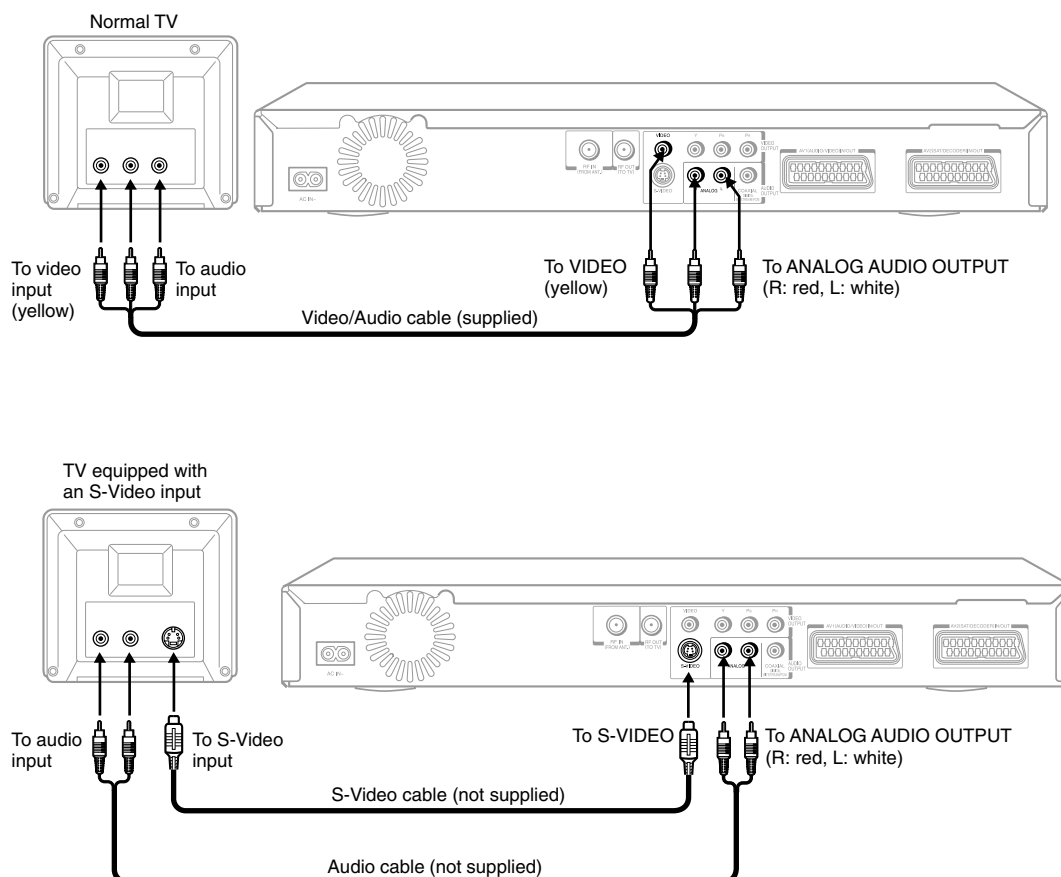


#### Notes

- Refer to the owner's manual of the connected TV as well.
- When you connect the recorder to your TV, be sure to turn off the power and unplug both units from the wall outlet before any connections.
- Connect the recorder directly to your TV. If you connect the recorder via a VTR, TV/VTR combination or video selector, the playback picture may be distorted due to copy protection.

# Connecting to a TV equipped with phono type jacks

■ Select the connection type depending on the TV. (Normal TV/TV equipped with an S-Video input)



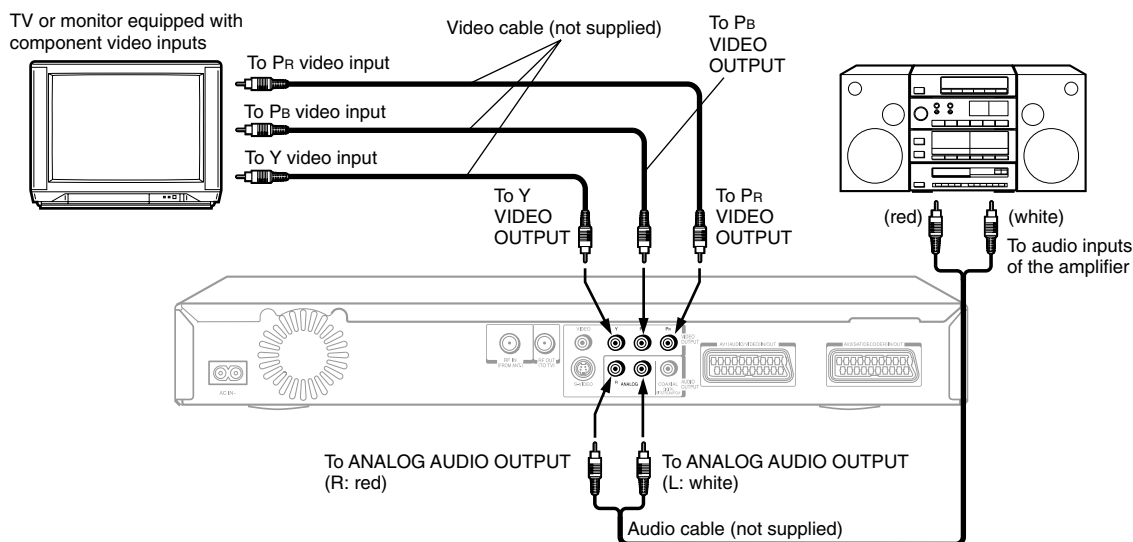
## Note

- If your television set has one audio input, connect the left and right audio outputs of the recorder to a Y cable adapter (not supplied) and then connect to your TV.



# Connecting to a TV equipped with component video inputs

If your TV has component video inputs, you can obtain pictures in better quality.



## ■ Component video outputs/inputs

Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback. Actual labels for component video inputs may vary depending on the TV manufacturer. (ex. Y, R-Y, R-B or Y, C<sub>B</sub>, C<sub>R</sub>)

In some TVs or monitors, the colour levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

### To switch the output signal (Progressive/Interlaced)



Open the remote control lid and press PROGRESSIVE.

The output signal alternates between component progressive and component interlaced.

- The following setting is required according to the TV that you are connecting.

TV	Setting	"AV1 output" on the "Initial settings" menu. ➡ page 27
TV or monitor equipped with component video inputs		"Video" or "S-Video"

- Selecting "RGB" disables signal output from the component video output (Y, Pb, Pr) jacks. If the on-screen display disappears immediately after you select "RGB", you can restore it by connecting the recorder using the VIDEO (yellow) jack.

## Notes

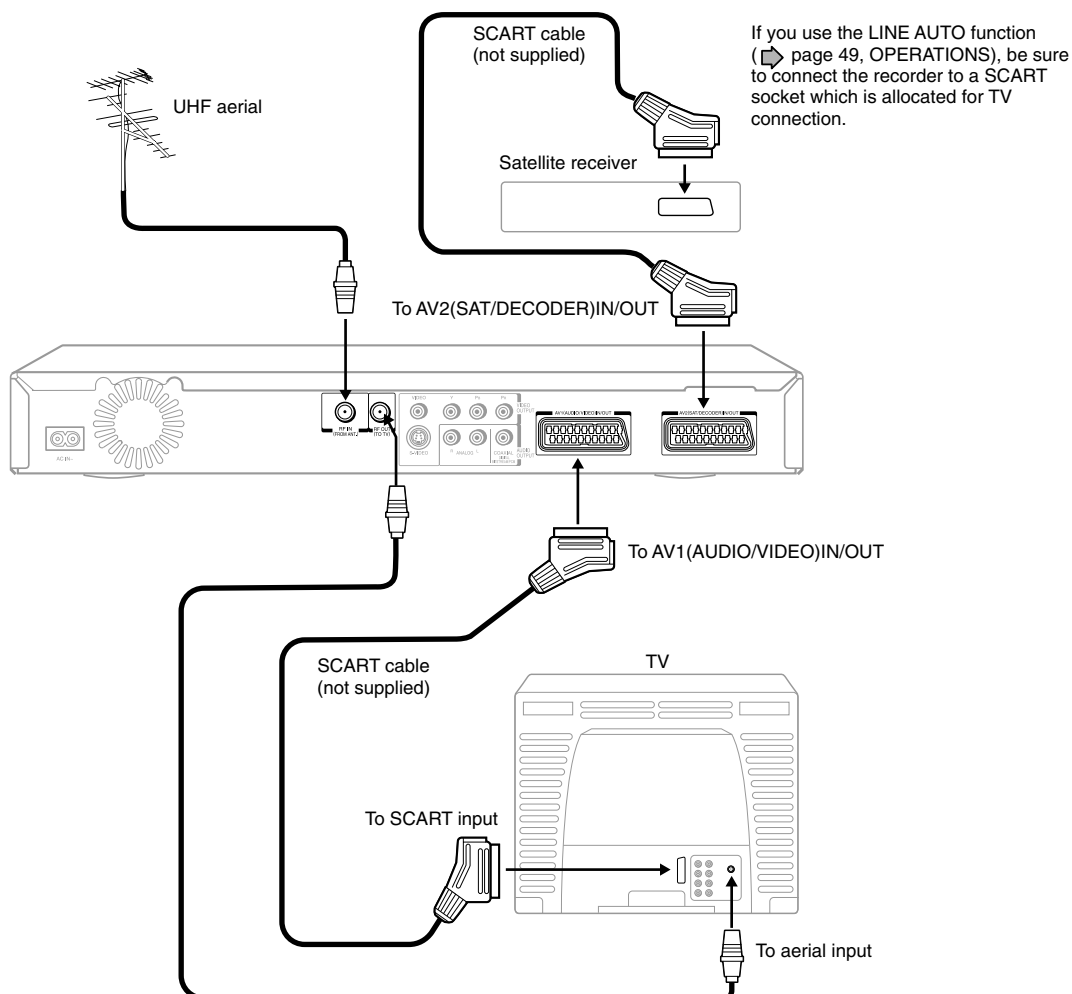
- Refer to the owner's manual of the connected TV as well.
- When you connect the recorder to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before any connections.
- If you place the recorder near a tuner or radio, the radio broadcast sound might be distorted. In this event, place the recorder away from the tuner and radio.
- The output sound of the recorder has a wide dynamic range. Be sure to adjust the amplifier's volume to a moderate listening level. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the recorder's power cord. If you leave the amplifier power on, the speakers may be damaged.
- Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 625 progressive scan picture problems, it is recommended that the user switch the connection to the "Standard Definition" output. If there are questions regarding our TV set compatibility with this model 625p DVD player, please contact our Customer Service Center.

# Connecting a satellite receiver

You can connect a satellite receiver to this recorder to enjoy watching or recording satellite programmes through the recorder.

## By using SCART cable

If both your TV and satellite receiver have a SCART input, use a SCART cable to connect the recorder.



### Note

According to the type of the TV set that you are connecting, set the output for the AV1(AUDIO/VIDEO)IN/OUT socket. (➡ page 27)

### ■ For a satellite receiver

#### Where to connect:

Normally use the AV2(SAT/DECODER)IN/OUT socket as above. (Also the AV1(AUDIO/VIDEO)IN/OUT socket, the RF IN (FROM ANT.) terminal, or the INPUT jacks on the front panel are also available.)

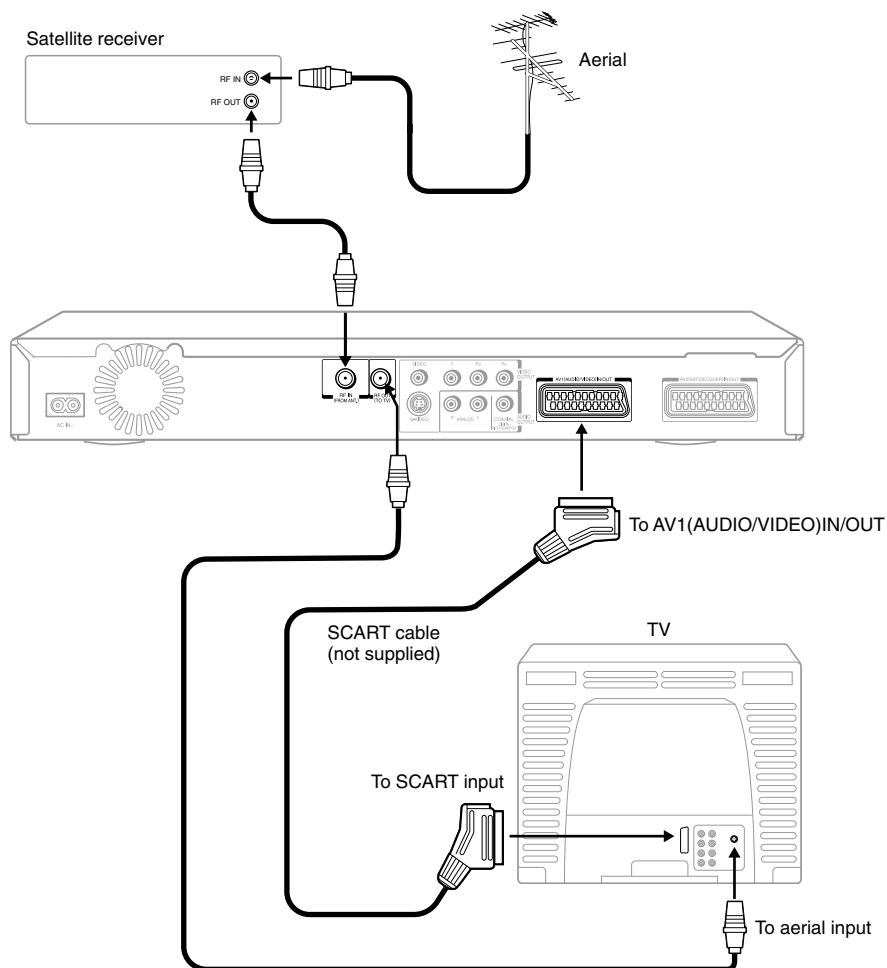
If you connect a satellite receiver to the AV2(SAT/DECODER)IN/OUT socket, make the following settings:

- "AV2 input" (➡ page 28)



After making this connection, you must allocate a channel on the recorder to receive satellite stations.

After making this connection, you must allocate a channel on the recorder to receive satellite stations.



## Connections

## Basic setup

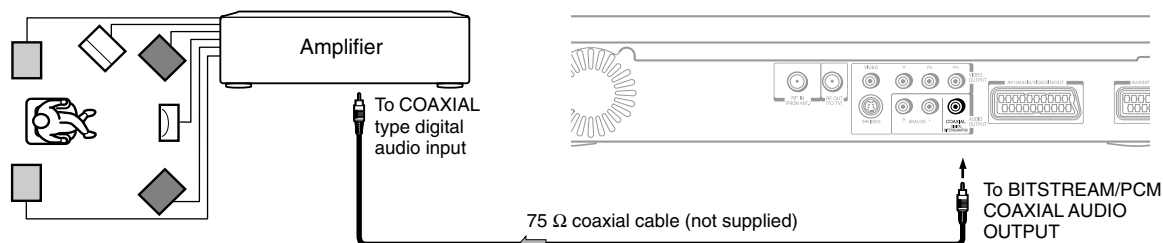
# Connecting to an audio system

You can enjoy multichannel surround-sound such as 5.1 channel by connecting to an amplifier compatible with Dolby Digital and DTS sound.

- For connection to your TV, see ➡ pages 15 to 17.
- For details of output sound, see ➡ page 140 in "OPERATIONS".

## Caution

- When you are connecting (via the BITSTREAM/PCM COAXIAL AUDIO OUTPUT jack) an AV decoder that does not have Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set "Audio out select" to "PCM" from the on-screen displays (➡ page 30). Otherwise, high volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (DVD video discs and audio CDs), excessive noise may be output from the analog stereo jacks. To avoid possible damage to the audio system, you should take proper precautions when the ANALOG AUDIO OUTPUT (L/R) jacks of the recorder are connected to an amplification system. To enjoy DTS Digital Surround® playback, an external 5.1 channel DTS Digital Surround® decoder system must be connected to the BITSTREAM/PCM COAXIAL AUDIO OUTPUT jack of the recorder.



Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Out" are trademarks of DTS Inc.

- Make the setting on ➡ page 30, "Audio out select".

## Notes

- DO NOT connect the BITSTREAM/PCM COAXIAL AUDIO OUTPUT jack of the recorder to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the BITSTREAM/PCM COAXIAL AUDIO OUTPUT jack of the recorder.
- Connect the BITSTREAM/PCM COAXIAL AUDIO OUTPUT jack of the recorder to the "COAXIAL" input of a Receiver or Processor.
- Refer to the owner's manual of the connected equipment as well.
- When you connect the recorder to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before any connections.
- The output sound of the recorder has a wide dynamic range. Be sure to adjust the audio amplifier's volume to a moderate listening level. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the recorder's power cord. If you leave the amplifier power on, the speakers may be damaged.

# Basic setup

Read this chapter for necessary settings to get started.  
When you use this recorder for the first time, be sure to perform A to C in this order.  
Proceed to D if necessary.

- **Starting up the recorder**

When using the recorder for the first time

- **A: Initial settings**

1: Confirming the channels

2: Clock setting

3: Input signal setting

4: AV1 output setting

5: AV2 input setting

6: Automatic clock adjustment option

- **B: Output sound setting**

- **C: TV shape setting**

- **D: Remote control settings**

Operating a TOSHIBA TV with the remote control of this recorder

Operating the second and third TOSHIBA HDD/DVD video recorders with the remote control of this recorder

# Starting up the recorder

After all the necessary connections,

- Turn on the equipment connected to the recorder.
- Select the corresponding video input on your TV.

Perform these selections whenever you operate the recorder.

While the icon is flashing, the recorder is checking the status and reading data of the HDD and the DVD drive for startup. If the DVD drive does not contain a disc, the recorder consumes less time to startup, because it does not need to read data from the DVD drive.

While the "Loading" icon is flashing, the recorder cannot respond to any operations of buttons other than PROGRAM and INPUT SELECT. Operate all other functions after the icon has disappeared.

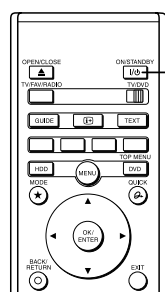
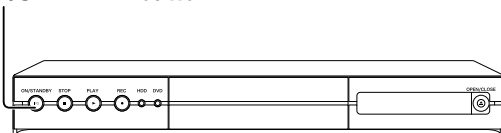
## Note

When the recorder is turned on for the first time, the recorder automatically sets itself up. See the next page.

## ■ Turning the power on

Press the ON/STANDBY button on the front panel of the recorder or on the remote control.

### ON/STANDBY button



ON/STANDBY button

When the power turns on, the ON/STANDBY indicator changes colour from red (standby mode) to green (operation).

After a few seconds, a startup screen appears.

The following icon will appear on the top right corner of the screen. The icon will continue flashing momentarily.

e.g.



## ■ Turning the power off

Press the ON/STANDBY button from the remote control or on the front panel of the recorder.

The "Unloading" icon appears on the right corner of the top of the screen, and the ON/STANDBY indicator turns red. Then the recorder enters the standby mode.

## Note

If the recorder freezes for about 15 minutes or more and will not respond to any buttons, holding down the ON/STANDBY button on the front panel for about 10 seconds can force the recorder to turn off. However, this is an emergency measure, which contains a risk of damage to data or discs. Avoid casual use of this measure. If you try this while the recorder is operating properly, especially while the "Loading" or "Unloading" icon is flashing, it may result in re-initialization of the HDD.

## ■ Startup/finishing (closing) icons

These icons are displayed on the right corner on the top of the screen. While they are flashing, the recorder is operating as follows:



Startup, reading a disc, finishing recording



Unloading a disc, finishing the recorder's operation



Opening a disc tray



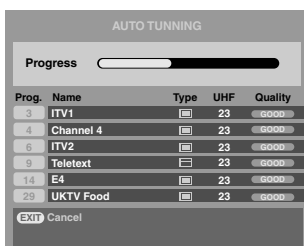
Closing a disc tray

## When using the recorder for the first time

When powered on for the first time, the recorder automatically sets its own tuner and clock.

First, you will see a short animation, then the loading icon flashes for a while. After the icon has disappeared, the recorder starts scanning ...

e.g.

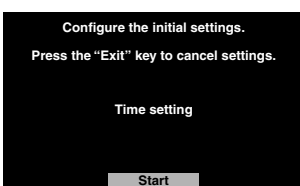


Tuning in . . .

e.g.



When complete the tuning, the recorder proceeds to set its clock. Press the OK/ENTER button on the remote control.



Setting the clock . . .



Make sure the time and date are set correctly.

### 1 If correct, press OK/ENTER.

If you want to correct, shift the cursor by ◀/▶, and change the value by ADJUST (⏏/⏏) or ▲/▼.

When complete, press OK/ENTER.

### 2 Select "Yes" by ◀/▶, then press OK/ENTER.



The "Initial settings" menu returns.

Proceed to "1: Confirming the channels" (➡ page 24).

### Notes

- If no stations are received, the recorder cannot finish tuning. Secure the aerial connection to the recorder.
- If broadcast signal reception is poor, the recorder may not complete this work. In this case, proceed to "2: Clock setting" (➡ page 24).

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### GUIDE to RE-TUNING DIGITAL TV CHANNELS

From time-to-time, new or changed digital television services may be broadcast. To view these, your recorder should be re-tuned.

#### ANALOGUE SWITCH-OFF

This is a digital video recorder which allows use of digital services. However, during the lifetime of this unit, it is very likely that analogue services will be switched off to allow for more new digital services.

This 'switch-off' will happen in a number of phases, and will be advertised in your area well in advance. It is recommended that at each phase the television is re-tuned to ensure that the existing and new services can be viewed as they become available.

#### STANDBY

Your recorder has an optional feature that finds new services automatically if you leave it in the standby mode overnight occasionally. However, to ensure the most updated digital services, it is recommended you also auto-tune during major changes, such as analogue switch-off.

#### RE-TUNING DIGITAL TV CHANNELS

Follow the procedure described on ➡ page 26, OPERATIONS.

# A: Initial settings

When the recorder is turned on for the first time, perform procedures from “1: Confirming the channels” in order.

## 1: Confirming the channels



### 1 Press PROGRAM, and confirm all the receivable stations can be viewed.



- To redo the tuning, see ➡ page 26, OPERATIONS.
- To delete unnecessary channels, see ➡ page 29, OPERATIONS.
- You can save your own channel selections. See ➡ page 29, OPERATIONS.

## 2: Clock setting

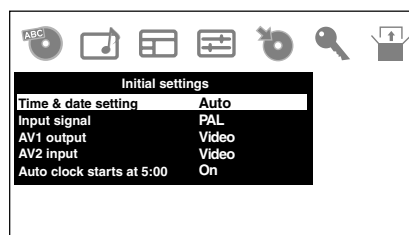
You may not need to make this setting, as the recorder automatically sets its clock according to clock data included in broadcast signals. **If you use the recorder first time, and you have confirmed the recorder's clock is set correctly (➡ page 23), skip to “3: Input signal setting” (➡ page 26).**

If there are no broadcast signals including clock data, or if you want to adjust by yourself, follow the procedure below to set the recorder's clock.



### 1 Press SETUP under the remote control lid. (Alternatively press MENU, then press ▲ / ▼ to select “Other settings”, then press OK/ENTER.)

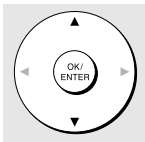
SETUP





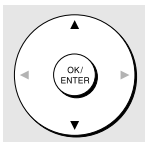


## 2 Press ▲ / ▼ to select “Time & date setting” from “Initial settings” menu, then press OK/ENTER.



If a menu other than “Initial settings” is displayed, first press BACK/RETURN to move the cursor to an icon, then press ◀ / ▶ to select “Initial settings”.

## 3 Press ▲ / ▼ to select “Auto” or “Manual”, then press OK/ENTER.

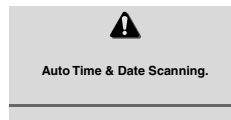


### Auto:

Only when the recorder can receive broadcast signals including clock data.

You can be free of entering each value.

If you press OK/ENTER, the recorder starts scanning to set the clock.



When complete, the “Initial settings” menu returns.

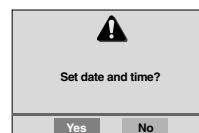
### Manual:

You can set the clock manually.



Shift the cursor by ◀ / ▶, and change the value by ADJUST (◀ / ▶) or ▲ / ▼.

When complete, press OK/ENTER.



Select “Yes” by ◀ / ▶, then press OK/ENTER.  
The “Initial settings” menu returns.

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### Note

- This recorder is provided with a calendar extending to 2069. (However, this does not mean that the recorder is supported to 2069.)

## Basic setup

### A: Initial settings (Continued)

## 3: Input signal setting

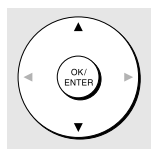
Make a selection according to the video system of receiving broadcasts or recording sources from the input sockets.



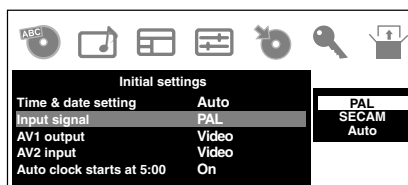
**1** Press **SETUP** if the setup menu is not displayed.

**2** Press **◀/▶** to select “Initial settings”, then press **OK/ENTER**.

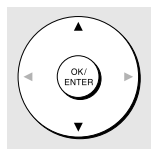
**3** Press **▲/▼** to select “Input signal”, then press **OK/ENTER**.



e.g.



**4** Press **▲/▼** to select the video input signal type, then press **OK/ENTER**.



**PAL** : Select when viewing and/or recording PAL signals broadcasted mainly in England. Additionally select when recording PAL signals from the AV1(AUDIO/VIDEO)IN/OUT socket, the AV2(SAT/DECODER)IN/OUT socket, or the INPUT jacks on the front panel.


**SECAM** : Select when recording SECAM signals from the AV1(AUDIO/VIDEO)IN/OUT socket, the AV2(SAT/DECODER)IN/OUT socket, or the INPUT jacks on the front panel.

**Auto** : The recorder automatically identifies PAL or SECAM video system of receiving broadcasts or recording sources. Some signal conditions of the broadcasts or the sources may prevent correct detection. In this case, select “PAL” or “SECAM” according to the broadcast or the source.

• To exit the menu, press the **SETUP** button.

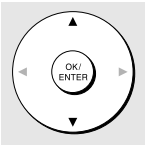
## 4: AV1 output setting

To select the video output type corresponding to your TV system. Be sure to make this setting if the recorder is connected to your TV via the AV1(AUDIO/VIDEO)IN/OUT socket using a SCART cable.

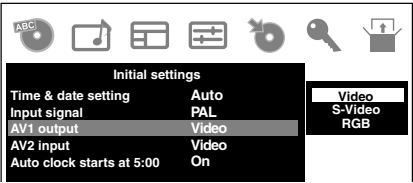


Start

- 1 Press **SETUP** if the setup menu is not displayed.
- 2 Press **◀/▶** to select “Initial settings”, then press **OK/ENTER**.
- 3 Press **▲/▼** to select “AV1 output”, then press **OK/ENTER**.



e.g.

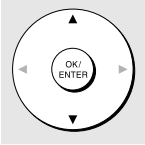


Initial settings	
Time & date setting	Auto
Input signal	PAL
AV1 output	Video
AV2 input	Video
Auto clock starts at 5:00	On

Initial settings	
Time & date setting	Auto
Input signal	PAL
AV1 output	Video
AV2 input	Video
Auto clock starts at 5:00	On

Initial settings	
Time & date setting	Auto
Input signal	PAL
AV1 output	Video
AV2 input	Video
Auto clock starts at 5:00	On

- 4 Press **▲/▼** to select the video output type corresponding to your TV system, then press **OK/ENTER**.



**Video** : Select when connected to a normal TV.

**S-Video** : Select when connected to a TV compatible with S-Video signals.

**RGB** : Select when connected to an RGB monitor.

- To exit the menu, press the **SETUP** button.

### Note

- If the on-screen display disappears immediately after you select “RGB”, you can restore it by connecting the recorder using the VIDEO (yellow) jack.

## Basic setup

### A: Initial settings (Continued)

#### 5: AV2 input setting

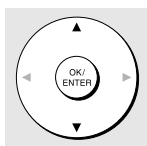
You can connect a satellite receiver or other equipment to the AV2(SAT/DECODER)IN/OUT socket on the rear panel of this recorder. You need to select the type of video signals of the connected equipment. (➡ page 18)



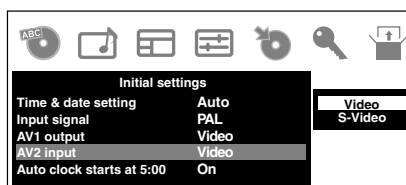
**1** Press **SETUP** if the setup menu is not displayed.

**2** Press **◀/▶** to select “Initial settings”, then press **OK/ENTER**.

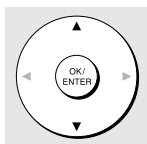
**3** Press **▲/▼** to select “AV2 input”, then press **OK/ENTER**.



e.g.



**4** Press **▲/▼** to select the type of video signals of the connected equipment, and press **OK/ENTER**.



**Video** : Select this when the type of video signals of the connected equipment is standard.

**S-Video** : Select this when the type of video signals of the connected equipment is S-Video.

• To exit the menu, press the **SETUP** button.

## 6: Automatic clock adjustment option

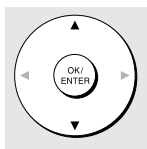
The recorder can automatically adjust its own clock at 5 o'clock every day. (No function if the recorder cannot receive broadcast signals including clock data.)



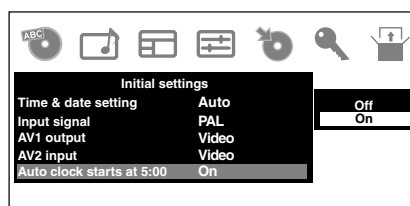
**1** Press **SETUP** if the setup menu is not displayed.

**2** Press **◀/▶** to select “Initial settings”, then press **OK/ENTER**.

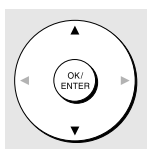
**3** Press **▲/▼** to select “Auto clock starts at 5:00”, then press **OK/ENTER**.



e.g.



**4** Press **▲/▼** to select “Off” or “On”, then press **OK/ENTER**.



**Off** : This feature is disabled.

**On** : The clock is automatically corrected according to the clock data broadcast. The daylight saving time can also be adjusted.

### Notes

- This function may not work correctly depending on the signal condition. In this case, select “Off” to disable this function.
- This function will not work if the recorder is:
  - powered on at 5 o'clock
  - holding a timer recording between 5:00 and 5:10
  - in LINE AUTO standby mode at 5 o'clock.
- Clock adjusting process will be stopped if the recorder's power turns on while it is in progress.

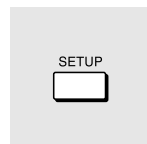
“A: Initial settings” are complete. Go to “B: Output sound setting”. (➡ page 30)

# B: Output sound setting

Select the output sound setting corresponding to the connected TV or audio system.

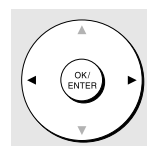


## 1 Press SETUP to display the setup menu.

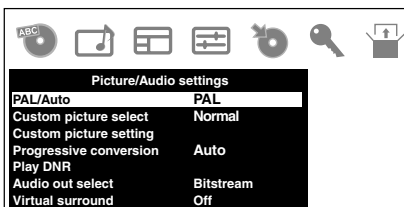


When it is already displayed, press the BACK/RETURN button.

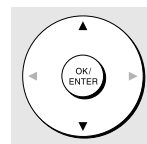
## 2 Press ◀/▶ to select “Picture/Audio settings”, then press OK/ENTER.



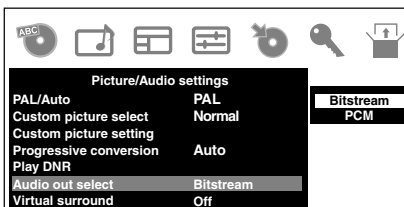
e.g.



## 3 Press ▲/▼ to select “Audio out select”, then press OK/ENTER.

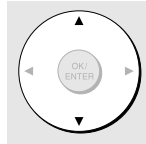


e.g.



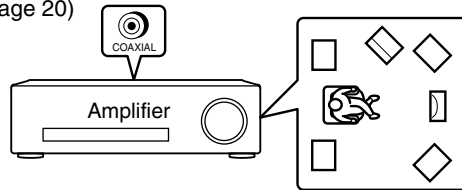


## 4 Press ▲ / ▼ to select the output sound format.



### Bitstream:

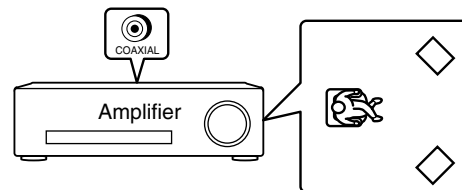
Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 and MPEG2 decoder. (➡ page 20)



The recorder outputs digital audio signals in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 and MPEG2 recording system.

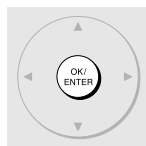
### PCM:

Select when connected to a 2 channel digital stereo system. (➡ page 20)



The recorder outputs sounds in the PCM 2ch format when you play a disc recorded on the Dolby Digital, MPEG1 and MPEG2 recording system.

## 5 Once the proper setting is selected, press OK/ENTER.



The submenu disappears.

To exit the setting menu, press the SETUP button.

“B: Output sound setting” is complete. Go to “C: TV shape setting”. (➡ page 32)

# C: TV shape setting

Select the picture shape according to the aspect ratio of your TV.

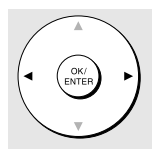


## 1 Press SETUP to display the setup menu.

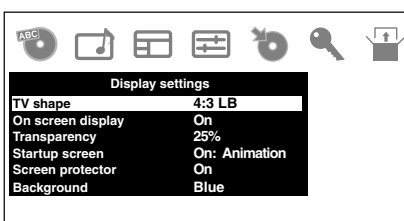


When it is already displayed, press the BACK/RETURN button.

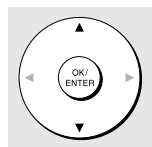
## 2 Press ◀/▶ to select “Display settings”, then press OK/ENTER.



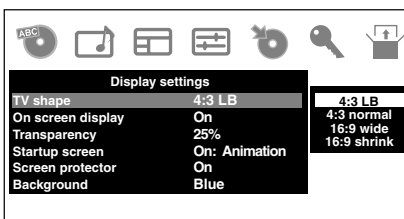
e.g.



## 3 Press ▲/▼ to select “TV shape”, then press OK/ENTER.



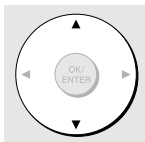
e.g.







## 4 Press ▲ / ▼ to select the picture shape.



### 4:3 LB:

Select when a standard 4:3 TV is connected.  
Displays theatrical images with masking bars above and below the picture.



### 4:3 normal:

Select when a standard 4:3 TV is connected.  
Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.



### 16:9 wide:

Select when a 16:9 wide TV is connected.

### 16:9 shrink:

Select when a 16:9 wide TV is connected.  
When a 4:3 aspect ratio image has been elongated to 16:9 wide picture size, use this setting.  
Masking bars to the right and left appears.



## 5 Once the proper setting is selected, press OK/ENTER.



The sub-menu disappears.  
To exit the setting menu, press the SETUP button.

### Notes

- Actual picture shape may depend on signal type of broadcast or input source, or settings on the connected TV. Refer to the owner's manual of the TV.
- The displayable picture shape is preset on the DVD video disc. Therefore, the playback picture of some DVD video discs may not conform to the picture shape you select.

"C: TV shape setting" is complete. Go to "D: Remote control settings". (➡ page 34)

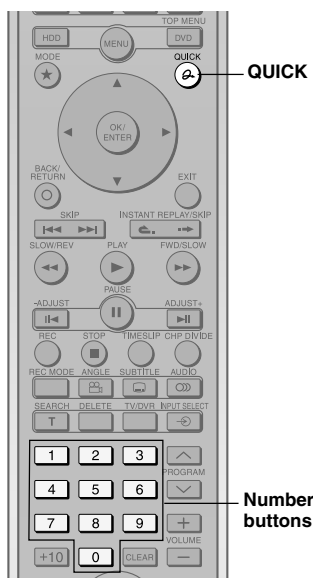
# D: Remote control settings

Perform this step according to your preference and usage.

## Operating a TV with the remote control of this recorder

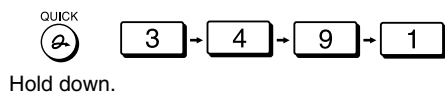
The remote control of this recorder has a function to operate a TV.

### ■ Entering a brand code into the remote control



- 1 While holding **QUICK**, press the number buttons to enter a corresponding brand code (see the next page) of your TV.

e.g. To enter 3491



Hold down.

- 2 Release **QUICK**.

The brand code is memorized.

### ■ Operating a TV with the remote control

Once you finished entering your brand code, you can use the remote control to operate your TV as follows.

#### TV/DVD selector



- 1 Set the TV/DVD selector to "TV".
- 2 Point the remote control to your TV and press the following buttons.  
ON/STANDBY:  
To turn on and off the TV.  
INPUT SELECT:  
To change the video input.  
PROGRAM:  
To select the TV channel.  
VOLUME\*:  
To adjust the volume.  
\* Available independent of the TV/DVD selector.
- 3 After operating the TV, set the TV/DVD selector back to "DVD".

## ■ Brand code table

Brand name	Brand code					Brand name	Brand code				
TOSHIBA	2581	2601	3281	3771	3491	NOKIA	3191				
AIWA	3241					OCEANIC	3021	3071			
AKAI	2671	3091				ORION	2691	2781	2851	3181	3381
BAIRD	3061	3211				PANASONIC	2701	2711	2741	3001	3021
BANG & OLUFSEN	2621						3071	3211	3251	3551	3761
BEKO	2941	3331					3531				
BLAUPUNKT	2711	2801				PHILCO	2621	3201			
BRIONVEGA	2621	3121				PHILIPS	2561	2571	2591	2621	2811
BUSH	2541	2681	2691	2751	2781		2821	2881	2991	3461	3581
	2851	2861	2881	3081	3131		3731				
	3201	3291				PIONEER	2761	3021	3481	3681	
CROWN	2541	2871	2921			SABA	2621	2761	2791	2841	3021
DAEWOO	2541	2881	3221	3271			3031	3041	3061	3071	3171
DECCA	2611						3211	3321			
FERGUSON	2761	2841	3061	3351		SAISHO	2541	2651	2691	2731	3141
FINLUX	2601	2611	2621	3071			3181				
FISHER	2671	2981	3181			SALORA	3021	3081	3101	3111	3131
FUNAI	2731	2781					3191				
GEC	2591	2611	3211			SAMSUNG	2541	2631	2731	2991	3161
GOLDSTAR	3131						3231	3521	3711	3721	3541
GOODMANS	2611	2691	2861	2881	3061	SANYO	2611	2671	3391		
	3221					SCHNEIDER	2571	2681	2811	2861	3181
GRANADA	2611	2671	3091	3111	3131	SEG	2731	3051	3201		
GRUNDIG	2601	2701	3151	3441		SELECO	2661	2721	3021	3121	
HINARI	2541	2681	2691	2901		SHARP	2641	3401	3631	3611	3781
HITACHI	2591	3021	3031	3041	3071		3791	3801	3811	3821	3831
	3081	3101	3131	3191	3211	SIEMENS	3071				
	3301	3471	3671	3511	3501	SINGER	2621				
	3701					SINUDYNE	2551	2621	2651	2691	3011
INNO HIT	2611						3051	3071	3181		
ITT	3021	3071	3091	3181	3191	SONY	2551	2951	3621	3641	3651
	3211					TECHNICS	2711	3001			
JVC	2861	3361	3591			TELEFUNKEN	2841	3061	3171	3421	
LUXOR	2701	3081	3101	3131		TENSAI	2681	2781			
MARANTZ	2991					THOMSON	2701	2761	2791	2831	3031
MATSUI	2541	2581	2611	2651	2671		3041	3061	3081	3171	3431
	2691	2781	2851	2861	3131		3601				
	3151	3181				THORN	2581	2611	2951	2961	3061
METZ	2621						3221				
MITSUBISHI	2621	2701	2961	3371		UNIVERSUM	2731	3201			
NATIONAL	2701					ZANUSSI	2661	3131			

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Basic setup

## Notes

- TOSHIBA code is factory set.
- Some brands have several codes. Try one by one until the remote control can operate your TV.
- Depending on the TV, the remote control may not operate at all or some of the buttons may not work.
- When replacing the batteries of the remote control, re-enter the brand code of your TV.

## Basic setup

### D: Remote control settings (Continued)

#### Operating the second and third TOSHIBA HDD/DVD video recorders with the remote control of this recorder

Switches the codes to operate the recorder.

If you use the second and third TOSHIBA HDD/DVD video recorders, set the different remote codes for each recorder to avoid confusion in the response of the recorders.

**Example: Setting this recorder's remote control mode to DR 2, after another HDD/DVD recorder has been set to DR 1.**

(It is necessary to set the remote control mode on both the recorder and the remote control.)



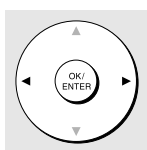
#### Setting up the recorder

##### 1 Press SETUP.

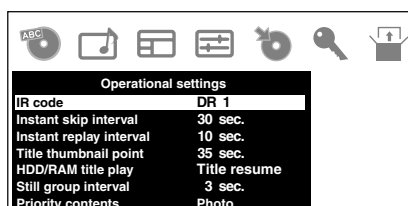


The setting menu appears.

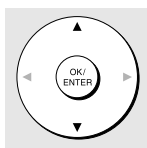
##### 2 Press ◀/▶ to select “Operational settings”, then press OK/ENTER.



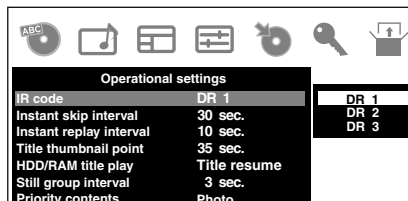
e.g.



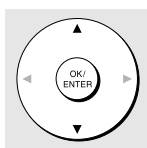
##### 3 Press ▲/▼ to select “IR code”, then press OK/ENTER.



e.g.




##### 4 Press ▲/▼ to select “DR 2” (example), then press OK/ENTER.



The submenu disappears.

By pressing the OK/ENTER button, the selected command mode is set in the recorder. Operation may not be possible temporarily until you set the corresponding mode in the remote control itself. Proceed to the next setting.





### Setting up the remote control

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#### While pressing MODE, press 2 (example).

The remote control mode is set to DR 2.

Select the same mode that you have set to the recorder.

Mode	Mode setting	
	Recorder	Remote control
DR 1	DR 1 DR 2 DR 3	MODE + 1
DR 2	DR 1 DR 2 DR 3	MODE + 2
DR 3	DR 1 DR 2 DR 3	MODE + 3

#### Notes

- If the recorder's mode and the remote control's mode are different, the recorder's mode (DR 1, DR 2 or DR 3) appears in the display of the front panel.
- When the batteries of the remote control are replaced or when the time indicator of the front panel flashes, check the remote control modes of both the recorder and the remote control, and re-program if necessary.

#### ■ Disabling the remote control for a temporary period

You can temporarily disable the reception of the remote control signals at the recorder, when the selection of DR 1, DR 2 and DR 3 is not sufficient while you are using several Toshiba HDD/DVD video recorders.

**Press HDD and DVD on the recorder at the same time for three seconds or more.**

The recorder display shows "DR-OFF", indicating that the remote control is disabled.

To enable the remote control, perform the same step again. (The display shows "DR-1, DR-2 or DR-3" depending on your setting.)

*Memo*

*Memo*